



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090902

Mode: Highway

Status: Submitted

NC-56

From/Cross Street: NC 50

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$2,325,000

Description:

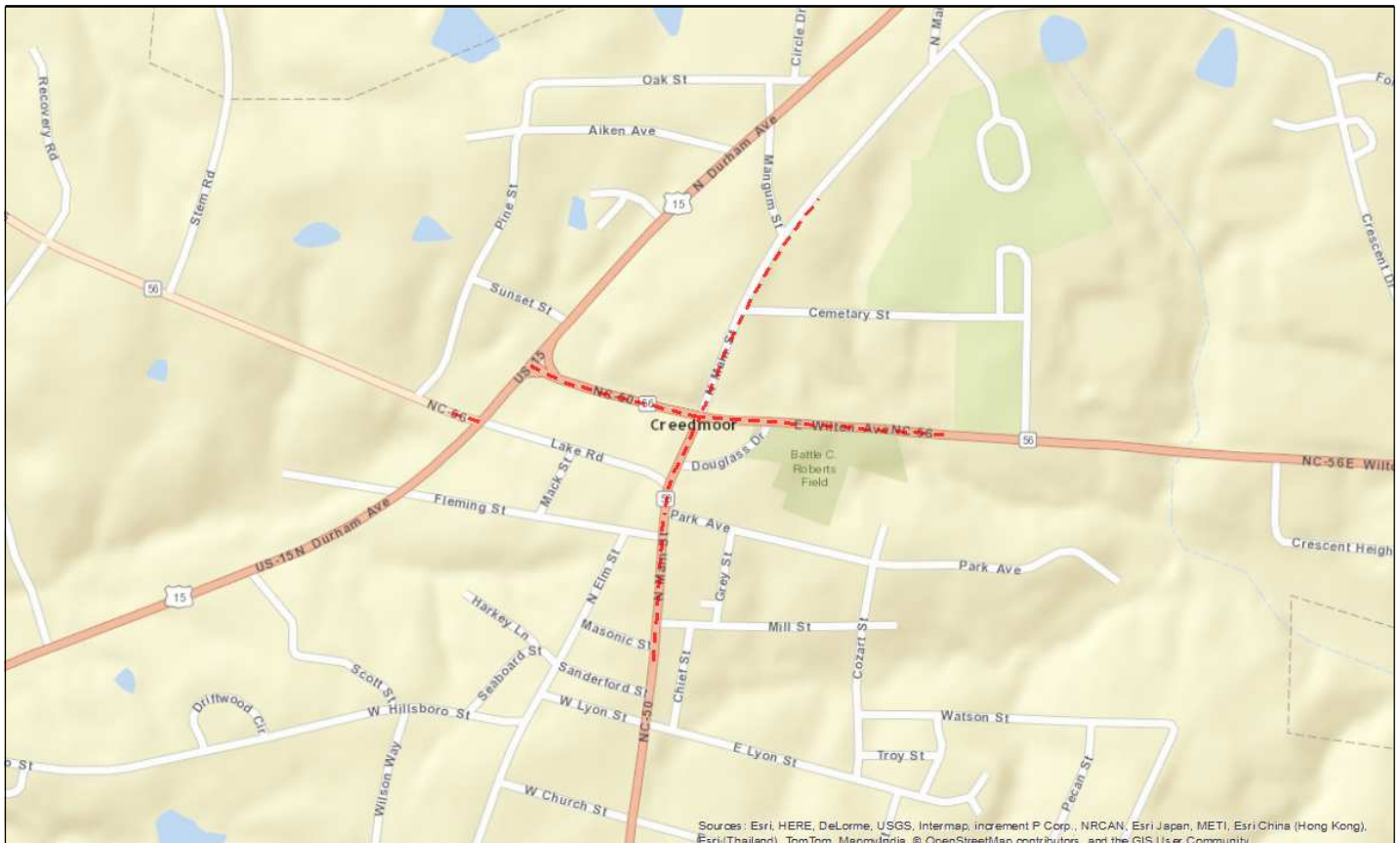
intersection Realignment of NC 56, NC 50, and US 15 in Creedmoor.

Division(s): Division 5

County(s): GRANVILLE

MPOS(s)/RPO(s): Capital Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 65.71

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Accessibility / Connectivity (10%) 17.74	Percent: 15% Points: 81	Percent: 15% Points: 100
Safety (10%) 16.65		
[Travel Time] Benefit/Cost (25%) 100.00		
Congestion (V/C) (25%) 40.48		
Totals: Weight: 70% Weighted Score: 38.56		

Division Needs Total Score: 29.76

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 100.00	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 16.65		
Congestion (V/C) (20%) 40.48		
Totals: Weight: 50% Weighted Score: 29.76		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	26
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	17611.63
Capacity:	31599.95
Volume/Capacity Ratio:	0.56
% Autos:	94%
% Trucks:	6%
Truck Volume:	1103.02
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	33.3
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	69
Actual Congested Speed:	28.25
Travel Time Index:	1.24

Project Benefits

Project Cross-Section:	
Speed Limit:	35
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	18866000
Travel Time Savings for 30 Years (Autos):	17684423.4
Travel Time Savings for 30 Years (Trucks):	1181576.6
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 5	100%	81	0
	0%	0	0
	0%	0	0
TOTAL Division Points		81	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Capital Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$1,875,000	Cost Estimation Tool
Right-of-Way Cost:	\$450,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,325,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$2,325,000	